

ABSTRACT OF THE DISCLOSURE

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5 An optical pickup includes a light source emitting a laser beam and an optical path  
changing unit altering a traveling path of an incident beam. An objective lens, disposed on  
an optical path between the optical path changing unit and an optical disk, focuses the  
10 incident beam from the light source to form a light spot on the optical disk of the objective  
lens. The optical pickup further includes a photodetector and an detecting-correcting unit,  
arranged on the optical path between the optical path changing unit and the objective lens,  
performing at least one of detecting the thickness of the optical disk and correcting  
15 aberration caused by thickness variations of the optical disk. The objective lens includes a  
first transmitting portion divergently transmitting an incident beam, where the first  
transmitting portion is at a relatively near-axis region from an optical axis of the objective  
lens. A second transmitting portion transmits the incident beam, where the second  
transmitting portion is arranged facing the first transmitting portion. A first reflecting  
portion condenses and reflects the incident beam from the first transmitting portion, where  
the first reflecting portion is formed around the second transmitting portion. A second  
reflecting portion condenses and reflects the incident beam from the first reflecting portion  
towards the second transmitting portion, where the second reflecting portion is formed  
around the first transmitting portion.